MAT 0300  
3rd Grade Math

I. COURSE DESCRIPTION  
The Liberty University Online Academy’s 3rd Grade Math Course provides students with exceptional opportunities to make real Biblical world view connections to math through engaging and exciting lessons, materials, and activities. The math course utilizes a Biblical theme into each math module that helps the students to review their prior knowledge and continue to build a solid foundation for continued future knowledge. An end of the course math review and simulation allows the students to utilize their acquired math skills through an innovative process that will encourage and excite each student’s interest in math.

II. RATIONALE  
The 3rd Grade Math Course utilizes prior math knowledge and expands it with new math skills and techniques which will greatly assist the student in current and future educational endeavors

III. PREREQUISITES  
2nd Grade Math

IV. MATERIALS LIST  
a. Microsoft Office or compatible software

V. MEASURABLE LEARNING OUTCOMES  
The student will be able to:
A. Identify and understand the process of addition and subtraction.
B. Identify and understand standard, expanded, and word form.
C. Identify and understand place value and ordering numbers.
D. Identify and understand money.
E. Identify and understand time.
F. Identify and understand the steps in solving money and time word problems.
G. Understand the importance of collecting and analyzing data.
H. Identify and understand different types of graphs.
I. Identify and understand fractions.
J. Identify and understand fraction comparison and equivalent fractions.
K. Identify and understand mixed numbers and improper fractions.
L. Identify and understand different components with geometry.
M. Identify and understand probability, rounding, and estimation.
N. Identify and understand how to add and subtract decimals.
O. Identify, understand, and master multiplication fact families 1-12
P. Identify and understand the steps to division.
Q. Understand how to check division problems with the process of multiplication.

VI. **COURSE REQUIREMENTS AND ASSIGNMENTS**
   A. Individual lesson assessments and activities
   B. Quizzes in each module
   C. Tests in each module
   D. Module Test

VII. **COURSE GRADING AND POLICIES**

   A. Grading Weights
   
<table>
<thead>
<tr>
<th>Assignment Type</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lesson Assignments</td>
<td>25%</td>
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<tr>
<td>Quizzes and Written Assignments</td>
<td>35%</td>
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<tr>
<td>Tests</td>
<td>40%</td>
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</tbody>
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   B. Scale
   
<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>93 – 100</td>
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<tr>
<td>B</td>
<td>85 – 92</td>
</tr>
<tr>
<td>C</td>
<td>77 – 84</td>
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<tr>
<td>D</td>
<td>70 – 76</td>
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<tr>
<td>F</td>
<td>Below 70</td>
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VIII. Other Policies

   Academic Misconduct
   See pages 32-35 of your Student Handbook

   Repeating Assignments
   Students may repeat lesson assessments until they reach a 90% mastery threshold. Quizzes and tests cannot be repeated to gain a higher grade. Quizzes and tests may be reset for technical issues, but a new set of questions will be generated.
IX. Scope and Sequence

Module 1: Weeks 1-4
Week 1: Addition and Subtraction Review
Week 2: Addition
Week 3: Subtraction
Week 4: Project, Review, and Tests

Module 2: Weeks 5-8
Week 5: Standard Form, Expanded Form, and Word Form
Week 6: Place Value
Week 7: Ordering Numbers Using Place Value
Week 8: Project, Review, and Tests

Module 3: Weeks 9-12
Week 9: Money and its Value
Week 10: Time
Week 11: Money and Time Word Problems
Week 12: Project, Review, and Tests

Module 4: Weeks 13-15
Week 13: Collecting Data
Week 14: Analyzing Data
Week 15: Types of Graphs

Module 5: Weeks 16-18
Week 16: Understanding Fractions
Week 17: Fraction Comparison and Equivalent Fractions
Week 18: Mixed Numbers and Improper Fractions

Module 6: Weeks 19-22
Week 19: Geometry: Shapes
Week 20: Geometry: Symmetry
Week 21: Geometry: Perimeter
Week 22: Project, Review, and Tests

Module 7: Weeks 23-25
Week 23: Probability
Week 24: Rounding and Estimation
Week 25: Adding and Subtracting Decimals

Module 8: Weeks 26-29
Week 26: Multiplication Fact Families: 1-3
Week 27: Multiplication Fact Families: 5-6
Week 28: Multiplication Fact Families: 7-9
Week 28: Multiplication Fact Families: 10-12
Module 9: Weeks 30-32
Week 30: Division
Week 31: Checking Division with Multiplication
Week 32: Division Word Problems

Module 10: Weeks 33-36
Week 33: End of the Year Review Part 1
Week 34: End of the Year Review Part 2
Week 35: End of the Year Review Part 3
Week 36: End of the Year Review Part 4